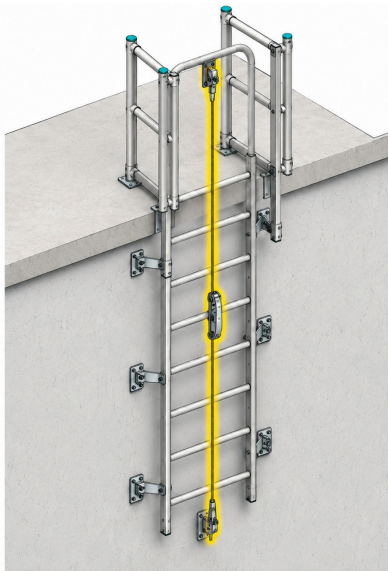




PRODUCT TECHNICAL DATA SHEET

Product identification

Product Name: Millennium Vertical Fall Arrest System

Application: Fall protection for fixed ladders ≥ 6 m

Sectors:

- Industrial and commercial buildings
- Public infrastructure
- Telecommunications / energy
- Government projects (including DND)

General description

The Millennium vertical fall arrest system is designed to ensure worker safety during movement at height on fixed ladders.

The system includes a guiding device (rigid rail or cable) along with a self-locking mobile fall arrester that automatically stops the user in the event of a fall.

Compatible with both existing and new ladders, it meets the requirements of modern projects in terms of safety and regulatory compliance.



Design benefits

For Architects

- Discreet integration into existing structures
- Material options based on aesthetic and environmental constraints
- Suitable for new construction and retrofit projects

For Engineers

- Compliant with CSA, EN, and OSHA standards
- Designed to withstand dynamic loads
- Can be integrated with specific structural calculations
- Adaptable solutions based on building constraints

For Building Managers

- Increased user safety
- Reduction of CNESST-related risks
- Minimal maintenance requirements
- Simple and fast inspection

System components

The system includes, but is not limited to:

- Vertical guide rail or certified cable
- Connectors and joints
- Mobile fall arrester (trolley)
- End stops (≈ 12 kN)
- Mounting brackets and fasteners
- Structural anchors
- Safety harness compliant with EN 361 (optional)

Technical characteristics

Operating height: ≥ 6 m

System type: Rigid rail or cable

Function: Self-locking in the event of a

Compatibility: Existing or new ladders

Available materials

- Aluminum
- Hot-dip galvanized steel
- Stainless steel

Performance

- Resistance to dynamic loads (CSA)
- High corrosion resistance
- Durability in industrial or outdoor environments

Compliance and standards

The system complies with the following requirements:

- CSA Z259 – Fall Protection
- EN 353-1 / EN 353-2
- EN 361
- OSHA (depending on jurisdiction)
- Quebec Building Code
- Requirements applicable to DND projects

Quality and manufacturing (Millenium standard)

- Manufactured under an ISO 9001 certified quality system
- Products transformed by Millenium according to rigorous industrial

All welding :

- Performed by certified welders
- Compliant with CWB standards
- Inspected according to applicable procedures

Installation

- Installation by qualified personnel
- In accordance with manufacturer recommendations
- Verification of existing structure required
- Compliance with CNESST and regulatory requirements

Inspection and maintenance

- Visual inspection before each use
- Mandatory annual inspection
- Minimum maintenance program recommended
- Documentation and inspection log provided

Warranty

- 1 year on finishes (paint and coatings)
- 10 years on structural components
- Warranty against manufacturing defects

Deliverables

- Technical data sheets
- Shop drawings (if required)
- Certificates of compliance
- User manual
- Inspection log

Millenium - Expertise

Groupe Millenium designs and manufactures height safety systems that meet the highest industry standards, tailored to the needs of building professionals and institutional projects.